



Product Technical Specification Sheet

Product Name: PROMELT ENHANCED

Physical Characteristics:

Component # 01		
No.	Properties	Typical Values
1	Appearance	Orange crystals
2	Odor	None
3	Bulk Density (Kg / m ³)	1137

Chemical Characteristics:

Component # 01			
No.	Properties	Specification	
		min	max
4	% Sodium Chloride	98.0	100.0
5	% Calcium Chloride	0.030	0.100
6	% Magnesium, water soluble content	0.010	0.100
7	% Potassium Chloride	0.200	1.500
8	Sulphate, water soluble content	0.010	0.150
9	Water Insoluble content	0.250	0.750

Screen Specification:

Screen Size (mm)	Screen Size (Tyler)	% Passing	
		min	max
5.00	4	99.0	100.0
2.50	8	60.0	80.0
1.25	14	2.0	10.0
0.60	28	0.0	1.0
0.30	48	-	0.0
0.16	100	-	0.0
0.07	200	-	0.0



Product Technical Specification Sheet

Physical Characteristics:

Component # 02					
No.	Properties	Test Method	Typical Values	Specification	
				min	max
1	Appearance	-	Translucent Tan	-	-
2	pH, deicer 1+4	ASTM D-1293	6.2	6.0	9.0
3	Specific Gravity (15°C 60°F)	ASTM D-1429	1.290	1.280	1.300
4	Weight (lbs/gal)	ASTM D-1429	10.76	10.68	10.85
5	Freeze Point Temperature	PNS	-65°C -85°F	-	-
6	% Freezer Settable Solids	PNS	<1.0	0.0	1.0
7	% Solids Passing #10 Sieve	PNS	>99.0	99.0	100.0
8	Total Dissolved Solids	-	33.0	32.0	37.0
9	Corrosion % effectiveness	NACE PNS	26.2	-	<30.0

Chemical Characteristics:

Component # 02					
No.	Properties	Test Method	Typical Values	Specification	
				min	max
10	% Magnesium Chloride	PNS	27.0	26.0	28.0
11	% Sodium Chloride	PNS	-	0.0	1.0
12	% Calcium Chloride	PNS	-	0.0	1.0
13	% Potassium Chloride	PNS	-	0.0	1.0
14	Arsenic (ppm)	EPA 200.7	<1.0	0.0	5.0
15	Barium (ppm)	EPA 200.7	<0.5	0.0	100.0
16	Cadmium (ppm)	EPA 200.7	<0.05	0.0	0.2
17	Chromium (ppm)	EPA 200.7	<0.5	0.0	1.0
18	Copper (ppm)	EPA 200.7	<0.1	0.0	1.0
19	Cyanide (ppm)	EPA 335.4	<0.05	0.0	0.2
20	Lead (ppm)	EPA 200.7	<0.5	0.0	1.0
21	Mercury (ppm)	EPA 245.1	<0.02	0.0	0.05
22	Selenium (ppm)	EPA 200.7	<1.0	0.0	5.0
23	Zinc (ppm)	EPA 200.7	<0.1	0.0	10.0
24	Phosphorus (ppm)	EPA 365.4	15.9	0.0	2500.0

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